Prerequisites

Aws cli: https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-install.html
Virtualbox: https://www.virtualbox.org/

Configure AWS Cli: https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-configure.html

AWS Access Key and AWS Secret Key will provided at the beginning of the course

Academy Virtual Machine

This resource aims to provide a virtual environment that allows you to perform the practices dictated in this Academy.

The virtual machine has the following characteristics:

Linux Ubuntu Server 16
Java 8
Hadoop 2.7
Apache Spark 2.6 (scala and pyspark)
Hive
Sqoop 1.4
Scala
Python 3.6

RAM: 4gb
Hard disk: 15GB

Download Virtual Machine

Using command line, type the following line

aws s3 cp s3://globant-bigdata-academy/Academy-Ubuntu-Server-16.ova .

If you configure keys using profile type

aws s3 cp s3://globant-bigdata-academy/Academy-Ubuntu-Server-16.ova . --profile [your profile]

After downloading the .ova file, proceed to do the following:

Start VirtualBox

Menu → File → Import Appliance.

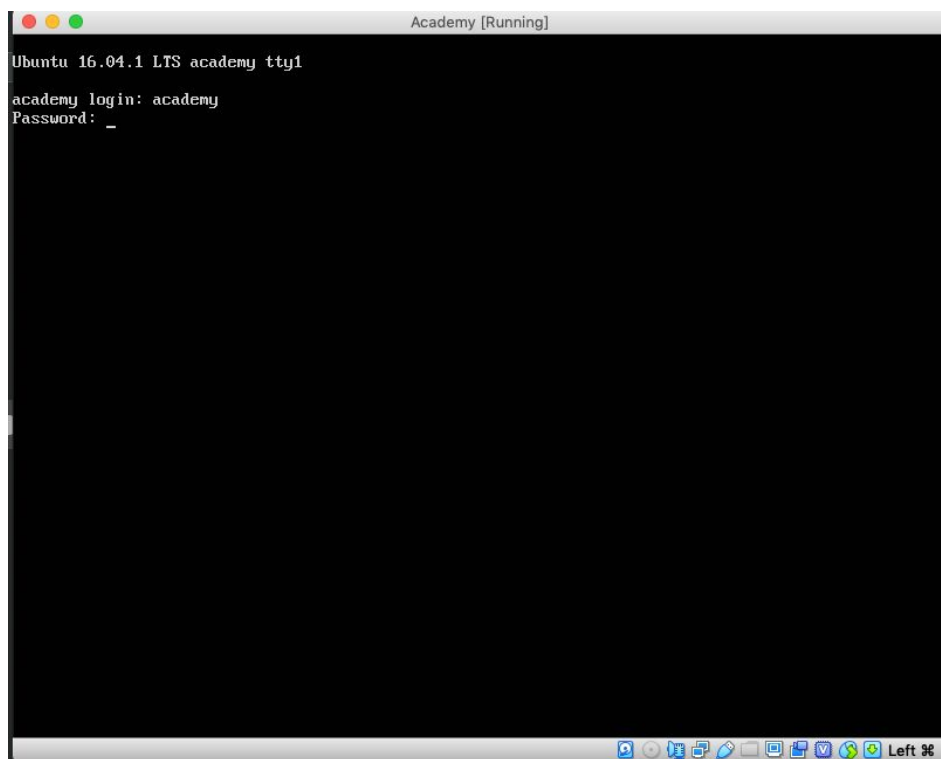Select the ova file downloaded from the previous step.

Press Import

Wait for the import process to complete, it may take about 5 minutes or more.

Press Start to init Virtual Machine

When virtual machine is started, type the username and password:

User: academy
Password: bigdata123

When you start session, type the **ifconfig** command in order to get IP address, which will be used to connect via ssh.

```
                              Academy [Running]

Ubuntu 16.04.1 LTS academy tty1

academy login: academy
Password:
Last login: Wed Jan 30 20:36:55 COT 2019 from 192.168.1.55 on pts/0
Welcome to Ubuntu 16.04.1 LTS (GNU/Linux 4.4.0-31-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:      https://landscape.canonical.com
 * Support:         https://ubuntu.com/advantage

247 packages can be updated.
161 updates are security updates.


academy@academy:~$ ifconfig
enp0s3    Link encap:Ethernet  HWaddr 08:00:27:57:1f:50
          inet addr:192.168.1.62  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe57:1f50/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:39 errors:0 dropped:0 overruns:0 frame:0
          TX packets:27 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:3085 (3.0 KB)  TX bytes:3060 (3.0 KB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:164 errors:0 dropped:0 overruns:0 frame:0
          TX packets:164 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1
          RX bytes:12185 (12.1 KB)  TX bytes:12185 (12.1 KB)

academy@academy:~$
```

Use Inet addr for connecting to Virtual Machine using a terminal or ssh program.